

# SEQUENCE LISTING

<110> Takeda Chemical Industries, Ltd.

## <120> Novel Screening Method

<130> 3067W00P

<150> JP 2002-173798

<151> 2002-06-14

<150> JP 2002-205470

<151> 2002-07-15

<160> 24

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<211> 351

<212> PRT

<213> Human

<400> 1

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Leu	Gly	Val 35	Thr	Phe	Val	Leu	Gly 40	Val	Leu	Gly	Asn 45	Gly	Leu	Val	Ile
Trp	Val 50	Ala	Gly	Phe	Arg	Met 55	Thr	Arg	Thr	Val	Thr 60	Thr	Ile	Cys	Tyr
Leu 65	Asn	Leu	Ala	Leu	Ala 70	Asp	Phe	Ser	Phe	Thr 75	Ala	Thr	Leu	Pro	Phe 80
Leu	Ile	Val	Ser	Met 85	Ala	Met	Gly	Glu	Lys 90	Trp	Pro	Phe	Gly	Trp 95	Phe
Leu	Cys	Lys	Leu 100	Ile	His	Ile	Val	Val 105	Asp	Ile	Asn	Leu	Phe	Gly	Ser
Val	Phe	Leu 115	Ile	Gly	Phe	Ile	Ala 120	Leu	Asp	Arg	Cys	Ile 125	Cys	Val	Leu
His	Pro 130	Val	Trp	Ala	Gln	Asn 135	His	Arg	Thr	Val	Ser 140	Leu	Ala	Met	Lys
Val 145	Ile	Val	Gly	Pro	Trp 150	Ile	Leu	Ala	Leu	Val 155	Leu	Thr	Leu	Pro	Val 160
Phe	Leu	Phe	Leu	Thr 165	Thr	Val	Thr	Ile	Pro 170	Asn	Gly	Asp	Thr	Tyr 175	Cys
Thr	Phe	Asn	Phe 180	Ala	Ser	Trp	Gly	Gly 185	Thr	Pro	Glu	Glu	Arg 190	Leu	Lys
Val	Ala 195	Ile	Thr	Met	Leu	Thr	Ala 200	Arg	Gly	Ile	Ile 205	Arg	Phe	Val	Ile
Gly	Phe 210	Ser	Leu	Pro	Met	Ser 215	Ile	Val	Ala	Ile	Cys 220	Tyr	Gly	Leu	Ile
Ala 225	Ala	Lys	Ile	His	Lys 230	Lys	Gly	Met	Ile	Lys 235	Ser	Ser	Arg	Pro	Leu 240
Arg	Val	Leu	Thr	Ala 245	Val	Val	Ala	Ser	Phe 250	Phe	Ile	Cys	Trp	Phe 255	Pro
Phe	Gln	Leu	Val 260	Ala	Leu	Leu	Gly	Thr 265	Val	Trp	Leu	Lys	Glu 270	Met	Leu
Phe	Tyr	Gly 275	Lys	Tyr	Lys	Ile	Ile 280	Asp	Ile	Leu	Val	Asn 285	Pro	Thr	Ser
Ser	Leu 290	Ala	Phe	Phe	Asn	Ser 295	Cys	Leu	Asn	Pro 300	Met	Leu	Tyr	Val	Phe

Val Gly Gln Asp Phe Arg Glu Arg Leu Ile His Ser Leu Pro Thr Ser  
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 Asp Leu Pro Val Lys Arg Arg Ala  
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			20					25					30				
Leu	Ser	Ile	Thr	Phe	Val	Leu	Gly	Val	Leu	Gly	Asn	Gly	Leu	Val	Ile		
		35					40					45					
Trp	Val	Ala	Gly	Phe	Arg	Met	Val	His	Thr	Val	Thr	Thr	Thr	Cys	Phe		
	50					55					60						
Leu	Asn	Leu	Ala	Leu	Ala	Asp	Phe	Ser	Phe	Thr	Val	Thr	Leu	Pro	Phe		
65					70					75					80		
Phe	Val	Ile	Ser	Ile	Ala	Met	Lys	Glu	Lys	Trp	Pro	Phe	Gly	Trp	Phe		
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			100					105					110				
Val	Phe	Leu	Ile	Ala	Leu	Ile	Ala	Leu	Asp	Arg	Cys	Ile	Cys	Val	Leu		
	115						120					125					
His	Pro	Val	Trp	Ala	Gln	Asn	His	Arg	Thr	Val	Ser	Leu	Ala	Arg	Lys		
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Phe	Ile	Phe	Met	Thr	Thr	Val	Arg	Ile	Pro	Gly	Gly	Asn	Val	Tyr	Cys		
			165					170						175			
Thr	Phe	Asn	Phe	Ala	Ser	Trp	Gly	Asn	Thr	Ala	Glu	Glu	Leu	Leu	Asn		
			180					185					190				
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	195						200					205					
Gly	Phe	Ile	Met	Pro	Met	Ser	Ile	Val	Ala	Ile	Cys	Tyr	Gly	Leu	Ile		
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Ala	Val	Lys	Ile	His	Arg	Arg	Ala	Leu	Val	Asn	Ser	Ser	Arg	Pro	Leu		
225					230					235					240		
Arg	Val	Leu	Thr	Ala	Val	Val	Ala	Ser	Phe	Phe	Ile	Cys	Trp	Phe	Pro		
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Phe	Gln	Leu	Val	Ala	Leu	Leu	Gly	Thr	Ile	Trp	Phe	Lys	Glu	Ser	Leu		
		260					265						270				
Phe	Ser	Gly	Arg	Tyr	Lys	Ile	Leu	Asp	Met	Trp	Val	His	Pro	Thr	Ser		
	275					280						285					
Ser	Leu	Ala	Tyr	Phe	Asn	Ser	Cys	Leu	Asn	Pro	Met	Leu	Tyr	Ala	Phe		
	290				295					300							
Met	Gly	Gln	Asp	Phe	His	Glu	Arg	Leu	Ile	His	Ser	Leu	Pro	Ser	Ser		
305					310					315					320		
Leu	Glu	Arg	Ala	Leu	Ser	Glu	Asp	Ser	Gly	Gln	Thr	Ser	Asp	Thr	Gly		
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<211> 1053

<212> DNA

<213> Rat

<400> 11

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 <211> 351  
 <212> PRT  
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Val Ser Ile Thr Phe Phe Leu Gly Val Leu Gly Asn Gly Leu Val Ile
      35      40      45
Trp Val Ala Gly Phe Arg Met Pro His Thr Val Thr Thr Ile Trp Tyr
      50      55      60
Leu Asn Leu Ala Leu Ala Asp Phe Ser Phe Thr Ala Thr Leu Pro Phe
      65      70      75      80
Leu Leu Val Glu Met Ala Met Lys Glu Lys Trp Pro Phe Gly Trp Phe
      85      90      95
Leu Cys Lys Leu Val His Ile Val Val Asp Val Asn Leu Phe Gly Ser
      100      105      110
Val Phe Leu Ile Ala Leu Ile Ala Leu Asp Arg Cys Ile Cys Val Leu
      115      120      125
His Pro Val Trp Ala Gln Asn His Arg Thr Val Ser Leu Ala Arg Lys
      130      135      140
Val Val Val Gly Pro Trp Ile Phe Ala Leu Ile Leu Thr Leu Pro Ile
      145      150      155      160
Phe Ile Phe Leu Thr Thr Val Arg Ile Pro Gly Gly Asp Val Tyr Cys
      165      170      175
Thr Phe Asn Phe Gly Ser Trp Ala Gln Thr Asp Glu Glu Lys Leu Asn
      180      185      190
Thr Ala Ile Thr Phe Val Thr Thr Arg Gly Ile Ile Arg Phe Leu Ile
      195      200      205
Gly Phe Ser Met Pro Met Ser Ile Val Ala Val Cys Tyr Gly Leu Ile
      210      215      220
Ala Val Lys Ile Asn Arg Arg Asn Leu Val Asn Ser Ser Arg Pro Leu
      225      230      235      240
Arg Val Leu Thr Ala Val Val Ala Ser Phe Phe Ile Cys Trp Phe Pro
      245      250      255
Phe Gln Leu Val Ala Leu Leu Gly Thr Val Trp Phe Lys Glu Thr Leu
      260      265      270
Leu Ser Gly Ser Tyr Lys Ile Leu Asp Met Phe Val Asn Pro Thr Ser
      275      280      285
Ser Leu Ala Tyr Phe Asn Ser Cys Leu Asn Pro Met Leu Tyr Val Phe
      290      295      300
Met Gly Gln Asp Phe Arg Glu Arg Phe Ile His Ser Leu Pro Tyr Ser
      305      310      315      320
Leu Glu Arg Ala Leu Ser Glu Asp Ser Gly Gln Thr Ser Asp Ser Ser
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340

345

350

<210> 13  
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 gtccacattg tggtagatgt aaacctgttt ggaagtgtct tcttgattgc tctcattgcc 360  
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                   20                  25                  30  
 His Gly Val Thr Phe Val Phe Gly Val Leu Gly Asn Gly Leu Val Ile  
                   35                  40                  45  
 Trp Val Ala Gly Phe Arg Met Thr Arg Thr Val Asn Thr Ile Cys Tyr  
                   50                  55                  60  
 Leu Asn Leu Ala Leu Ala Asp Phe Ser Phe Ser Ala Ile Leu Pro Phe  
                   65                  70                  75                  80  
 Arg Met Val Ser Val Ala Met Arg Glu Lys Trp Pro Phe Ala Ser Phe  
                   85                  90                  95  
 Leu Cys Lys Leu Val His Val Met Ile Asp Ile Asn Leu Phe Val Ser  
                   100                  105                  110  
 Val Tyr Leu Ile Thr Ile Ile Ala Leu Asp Arg Cys Ile Cys Val Leu  
                   115                  120                  125  
 His Pro Ala Trp Ala Gln Asn His Arg Thr Met Ser Leu Ala Lys Arg  
                   130                  135                  140  
 Val Met Thr Gly Leu Trp Ile Phe Thr Ile Val Leu Thr Leu Pro Asn  
                   145                  150                  155                  160  
 Phe Ile Phe Trp Thr Thr Ile Ser Thr Thr Asn Gly Asp Thr Tyr Cys  
                   165                  170                  175  
 Ile Phe Asn Phe Ala Phe Trp Gly Asp Thr Ala Val Glu Arg Leu Asn  
                   180                  185                  190  
 Val Phe Ile Thr Met Ala Lys Val Phe Leu Ile Leu His Phe Ile Ile  
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Gly	Phe	Thr	Val	Pro	Met	Ser	Ile	Ile	Thr	Val	Cys	Tyr	Gly	Ile	Ile
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Ala	Ala	Lys	Ile	His	Arg	Asn	His	Met	Ile	Lys	Ser	Ser	Arg	Pro	Leu
225					230					235				240	
Arg	Val	Phe	Ala	Ala	Val	Val	Ala	Ser	Phe	Phe	Ile	Cys	Trp	Phe	Pro
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Tyr	Glu	Leu	Ile	Gly	Ile	Leu	Met	Ala	Val	Trp	Leu	Lys	Glu	Met	Leu
		260						265					270		
Leu	Asn	Gly	Lys	Tyr	Lys	Ile	Ile	Leu	Val	Leu	Ile	Asn	Pro	Thr	Ser
	275					280						285			
Ser	Leu	Ala	Phe	Phe	Asn	Ser	Cys	Leu	Asn	Pro	Ile	Leu	Tyr	Val	Phe
	290					295					300				
Met	Gly	Arg	Asn	Phe	Gln	Glu	Arg	Leu	Ile	Arg	Ser	Leu	Pro	Thr	Ser
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Leu	Glu	Arg	Ala	Leu	Thr	Glu	Val	Pro	Asp	Ser	Ala	Gln	Thr	Ser	Asn
			325						330					335	
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ttggagaggg	ccctgactga	ggccctgac	tcagcccaga	ccagcaacac	acacaccact	1020
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<223> Primer

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ctttctagat catggggcct ttaactcaat gtc 33

<210> 18

<211> 24

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<400> 22  
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